

~~Obryadchikov~~, S. N.
TEMPERATURE CONDITIONS OF FORMATION OF
OIL IN NATURE. [1961] 5p. 13 refs.
Order from OTS or SLA \$1.10

62-10814

Trans. of Neftyanoe Khozylatvo (USSR) 1946 [v. 24]
no. 3/4, p. 39-44.

DESCRIPTORS: *Oils, Temperature, Aluminum com-
pounds, Silicates, Chemical reactions, *Gasoline.

(Materials--Fuels, TT, v. 7, no. 10)

62-10814

I. Obryadchikov, S. N.

208371

Office of Technical Services

Obryadchikov, S. N. and Lebedeva, A. S.
VAPOR PRESSURES OF WIDE OIL FRACTIONS. 17p.
Order from SLA \$1.60 TT-61-18113

Trans. of [Institut Neftekhimicheskoi i Gazovoi
Promyshlennost. Trudy] (USSR) 1939, p. 129-142.

(Chemistry--Organic, TT, v. 12, no. 7)

TT-61-18113

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Accuracy of the Ring Method of Analysis, by S. N. Obryad-
chikov.

Full translation.

RUSSIAN, no per, Neft Khoz, Vol XXV, No 4, 1947, pp 51-
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ABC Tr 1176

Sci - Chem

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Vapor Pressures of Wide Oil Fractions,
by S. N. Obryadchikov, 17 pp.
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1939, pp 129-142.
CFSTI TT-61-18113

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Rectifying Column (Podzielnik's System), by
S. M. Obyedkoff, V. S. Yablonskiy, 30 pp.

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1964, pp 1-7. 9225791
AEC-ANL-Tr-65

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Progress in Development of Oscillation-
Dampening Material, by Lothar Bohn, Friedrich
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Schwingungsdaempfer Stoffe, 25 pp.
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ATIC MCL-421/1

Sci - Phys

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COMMENT BY PRAVDA OBSERVER, 7 PP.

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Contribution to the Determination of Water
in Metallurgical Slags, by E.H. Cost;
H. Malissa.

CHICAGO, per, Archiv fur das Eisenhüttenwesen,
1959, 30, Oct., 601-603.

*AISI 3987

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The Use of Different Grades of Lime in Open-Hearth
Steelmaking, by K. H. Obst, W. Kohler,
E. Meier-Cortes, et al.

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Nov 1961, pp 1503-1510.

BISI 2803

Sci - M/M

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List No 137

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Obtemperanskaya, S. I., Terent'ev, A. P., and
Buzlanova, M. M.

THE QUANTITATIVE DETERMINATION OF THIO-
ALCOHOLS AND THIOPHENOLS. 10 July 62 [5]p.

8 refs.

Order from OTS or SLA \$1.10

62-18974

Trans. of Moscow U. Vestnik. Ser[lya] Mat[ematiki]
Mekh[aniki] Astron[omi] Fiz[iki] Khim[i] (USSR) 1957,
v. 12, no. 3, p. 145-147.

DESCRIPTORS: *quantative, analysts, *thio radicals,
*Alcohols, *Phenols, Dioxides, Ethylenes, Hetero-
cyclic compounds, Acrylonitriles.

A new method for the analysis of thioalcohols and
thiophenols, based on the cyanoethylation reaction is
presented. Which is as accurate as the iodometric
method. It was found that if a sample of a compound
containing a mercapto group is treated with excess
(Chemistry--Analytical, TT, v. 9, no. 5) (over)

62-18974

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II. Terent'ev, A. P.
III. Buzlanova, M. M.

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A Quantitative Method of Determining Acrylonitrile
by Means of Sodium Sulfite, by A. P. Terentyev,
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RUSSIAN, per, Zhur Anal Khim, Vol XI, No 5, Sep/
Oct 1956, pp 638, 639.

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Sci - Chem
Jul 57

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The Change of the Barometric Field in the Intermediate Atmosphere, by A. M. Obuchov, A. S. Tschapligna,

RUSSIAN, rpt on Research Conducted by the Institute for Physics of the Atmosphere, No 2, (research conducted in 1951/2).

27/1-DD X-4232

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On Change of the Barometric Field in the Intermediate
Atmosphere, by A. M. Gushov, A. S. Tschaplina.

RUSSIAN, rpt on Research Conducted by the Institute
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EE - Czechoslovakia
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Zbigniew Obuchowicz, Adam Tokarski, Stanislaw
Wdowiarski, 17 pp.

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Apr 1958, pp 89-97.

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NEur - Poland
Econ - Fossil and power
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Structure of Temperature Field in Turbulent
Flow, by A. M. Obukhoff.
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Vol 13, No 1, 1949, pp 58-69.
*NASA TT F-13,125

Sci-Phys
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Obukhov, A. P., Mikhailova, M. N., and Kuposova,
V. I.

PROPERTIES OF MAGNESIUM OXIDE OBTAINED BY
HYDROLYSIS OF MAGNESIUM CHLORIDE. [1963]

[23p] Sretz

Order from OTS or SLA \$2.60

63-18536

Trans. of [Gosudarstvennyi Institut Prikladnoi Khimii.
Trudy] (USSR) 1934, v. 23, p. 69-78.

DESCRIPTORS: *Magnesium compounds, *Oxides,
Chlorides, Hydrolysis, *Cements, Chemical prop-
erties, Physical properties, Chemical reactions.

(Materials--Ceramics, TT, v. 10, no. 10)

63-18536

I. Obukhov, A. P.
II. Mikhailova, M. N.
III. Kuposova, V. I.

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Obukhov, A. P. and Lavrov, V. P.
THE TERNARY SYSTEM $MgCl_2 + H_2O + H_2Cl_2$.
[1963] [7p] 4refs
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Trans. of [Gosudarstvennyi Institut Prikladnoi Khimii.
Trudy] (USSR) 1934, v. 25, p. 81-84.

DESCRIPTORS: *Magnesium compounds, *Chlorides,
*Water, *Hydrochloric acid, *Oxides, *Cements,
*Phase studies, Solubility, Chemical equilibrium.

(Chemistry--Physical, TT, v. 10, no. 10)

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Homogeneties Upon the Propagation of
Sound and Light, by A. M. Obukhov, 82pp
RUSSIAN, per, Izvestiya Akademiyi Nauk,
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CFSTI TT-61-71052

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Maximum Coefficients of Floodwater Runoff
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of the Krasnodar Kray, by A. D. Obukhov,
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Sci - Geophys
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Scattering of Sound in Turbulent Flow, by
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*NASA TT F-9493

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1959, pp 1246-1248.

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Main types of movement of barocline atmosphere
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Molina, A. M. Obukhov, 4 pp.

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pp 58-61. 1958

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Statistical Report of Continuous Fields, by A.M.
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SLA: 61-13153

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Propagation of Waves in a Medium With Random Inhomogeneities of the Index of Refraction. (Survey), by V. A. KM Krasil'nikov, A. M. Obukhov, 8 pp.

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31 pp.

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Obukhov, A. M.
LAWS GOVERNING THE MICROSTRUCTURE OF
TEMPERATURE AND WIND IN THE SURFACE LAYER
OF THE ATMOSPHERE (Zakonomernosti Mikrostruk-
tury Temperatury i Vetra v Prizemnom Sioe Atmosfere)
tr. by George S. Mitchell. Apr 61 [12]p. 16 refs.
Order from OTS or SLA \$1.60
61-23082

Trans. of mono. Sovremennye Problemy Meteorologii
Prizemnogo Sloya Vozdukha: Sbornik Statel pod red.
M. I. Budyko (Contemporary Problems in the Meteor-
ology of the Surface Layer of the Atmosphere. A Sympo-
sium of Articles, ed. by M. I. Budyko) Leningrad,
1958, p. 131-137.

DESCRIPTORS: *Climate, *Atmosphere, *Temperature,
*Wind.

(Earth Sciences--Meteorology, JT, v. 6 no. 8)

61-23082

I. Obukhov, A. M.
II. Weather Bureau, Washington,
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III. Title: Contemporary...

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Molina, A. H. Chukhov, 25 pp.

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No 11, 1958, pp 1360-1373.

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Scattering of Sound in Turbulent Flow,
by A. M. Obukhov.
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TEMPERATURE AND WIND IN THE SURFACE LAYER
OF THE ATMOSPHERE (Zakonomernosti Mikrostruk-
tury Temperatury i Vetra v Prizemnom Sloe Atmosfery)
tr. by George S. Mitchell. Apr 61 [12]p. 16 refs.
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Trans. of mono. Sovremennye Problemy Meteorologii
Prizemnogo Sloya Vozdukh: Sbornik Statei pod red.
M. I. Budyko (Contemporary Problems in the Meteor-
ology of the Surface Layer of the Atmosphere. A Sympo-
sium of Articles, ed. by M. I. Budyko) Leningrad,
1958, p. 131-137.

DESCRIPTORS: *Climate, *Atmosphere, *Temperature,
*Wind.

(Earth Sciences--Meteorology, 'IT', v. 6 no. 8)

61-23082

I. Obukhov, A. M.
II. Weather Bureau, Washington,
D. C.
III. Title: Contemporary...

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Fundamental Regularities of Turbulent Mixing in the
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P 21452T

*Index class
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Fields in Free Convection, by A. M. Obukhov
3 pp.

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No 9, 1960, pp 1392-~~18~~ 1396.

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Scientific - Astronomy

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61-13564

Obukhov, A. M. and Chaplygina, A. S.
THE CHANGE OF THE PRESSURE FIELD IN THE
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Baricheskogo Polya v Sredney Tropofere) tr. by T. C.
Marwick. 15 July 59, 62p. (foreign text included)
4 refs. Trans. no. 10; M 1517.
Order from LC or SLA ml\$3.90, ph\$10.80 61-13564

Trans. of Ak[ademiya] Nauk SSSR. Inst[itut] Fiz[iki]
Atm[osfery]. T[rudy] 1958, no. 2, p. 23-49.

Investigations showed that the variation of pressure in-
cludes the transfer of vorticity at the level H700. The
Bulyeev method, in which the field of pressure at the
level H700 is taken as a basis, may be made more
accurate by using the empirical formula for
calculation.

(Earth Sciences--Meteorology, TT, v. 5, no. 9)

1. Weather forecasting--
Theory
2. Atmosphere--Pressure
1. Obukhov, A. M.
- II. Chaplygina, A. S.
- III. Trans-10
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On the Effect of Archimedeian Forces on the Structure
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A. M. Obukhov.

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1959, pp 1246-1248.
Dept of Navy/APL/JHU T-2109

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Mar 68

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Obukhov, A. P. and Mikhailov, M. N.
ACCUMULATION OF HYDROCHLORIC ACID BY
SOLUTIONS OF MAGNESIUM CHLORIDE [1964] 13p
(figs omitted) 7reia
Order from OTS, SLA, or ETC \$1.60 TT-64-10774

Trans. of Kall (USSR) 1932, v. 1, no. 3, p. 20-23.
Another trans. is available from SLA as R-3341.

(Chemistry--Inorganic, TT, v. 11, no. 12)

TT-64-10774

I. Obukhov, A. P.
II. Mikhailov, M. N.
III. SLA-R-3341

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Obukhov, A. P., Mikhailova, M. N., Kopoova, V. I.,
and Bukvin, A. A.
HYDROLYTIC EQUILIBRIUM OF THE SYSTEM
 $MgCl_2/H_2O - MgO/2HCl$. Preliminary Communication.
[1964] [13p] 3refs
Order from OTS, SCA, or ETC \$1.60 TT-64-10769

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II. Mikhailova, M. N.
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(Chemistry--Physical, TT, v. 12, no. 2)

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Obukhov, A. P. and Mikhailov, M. N.
ACCUMULATION OF HYDROCHLORIC ACID BY
SOLUTIONS OF MAGNESIUM CHLORIDE. [1964] 13p
(figs omitted) 7 refs
Order from OTS, SLA, or ETC \$1.60 TT-64-10774

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(Chemistry--Inorganic, TT, v. 11, no. 12)

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Radioactivation Analysis of Semiconducting Silicon
by Means of a Multi-Channel γ -Spectrometer, by I. E.
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A Physicochemical Study of the Thallium-Selenium-Tellurium System, by N. S. Bubyreva, A. P. Obukhov.

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Precipitation of Magnesium Chloride from Hydrochloric
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active Analysis of Specially Cleaned Substances.

By I. A. Maslov and A. P. Chukhov, 7 pp.

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Absorption of Hydrochloric Acid by Solutions of
Magnesium Chloride, by A. P. Chukhov, M. N.
Mikhailov.

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A Generator of Short-Duration Pulses, by O. S.
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Breakdown of Solid Dielectrics, by V. I.
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